

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120650.D
 Acq On : 18 Jun 2020 19:04
 Operator : JU/CG
 Sample : L3046-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ISS-A-C

Quant Time: Jun 19 01:11:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	131639	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	487093	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	249343	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	480475	20.00	ng	0.00
76) Chrysene-d12	13.96	240	410127	20.00	ng	0.00
86) Perylene-d12	15.40	264	380474	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	842018	109.66	ng	0.00
7) Phenol-d6	6.44	99	1053822	110.20	ng	0.00
23) Nitrobenzene-d5	7.36	82	633151	72.66	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	329517	113.67	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1290363	79.18	ng	0.00
79) Terphenyl-d14	12.91	244	1552274	83.60	ng	0.00

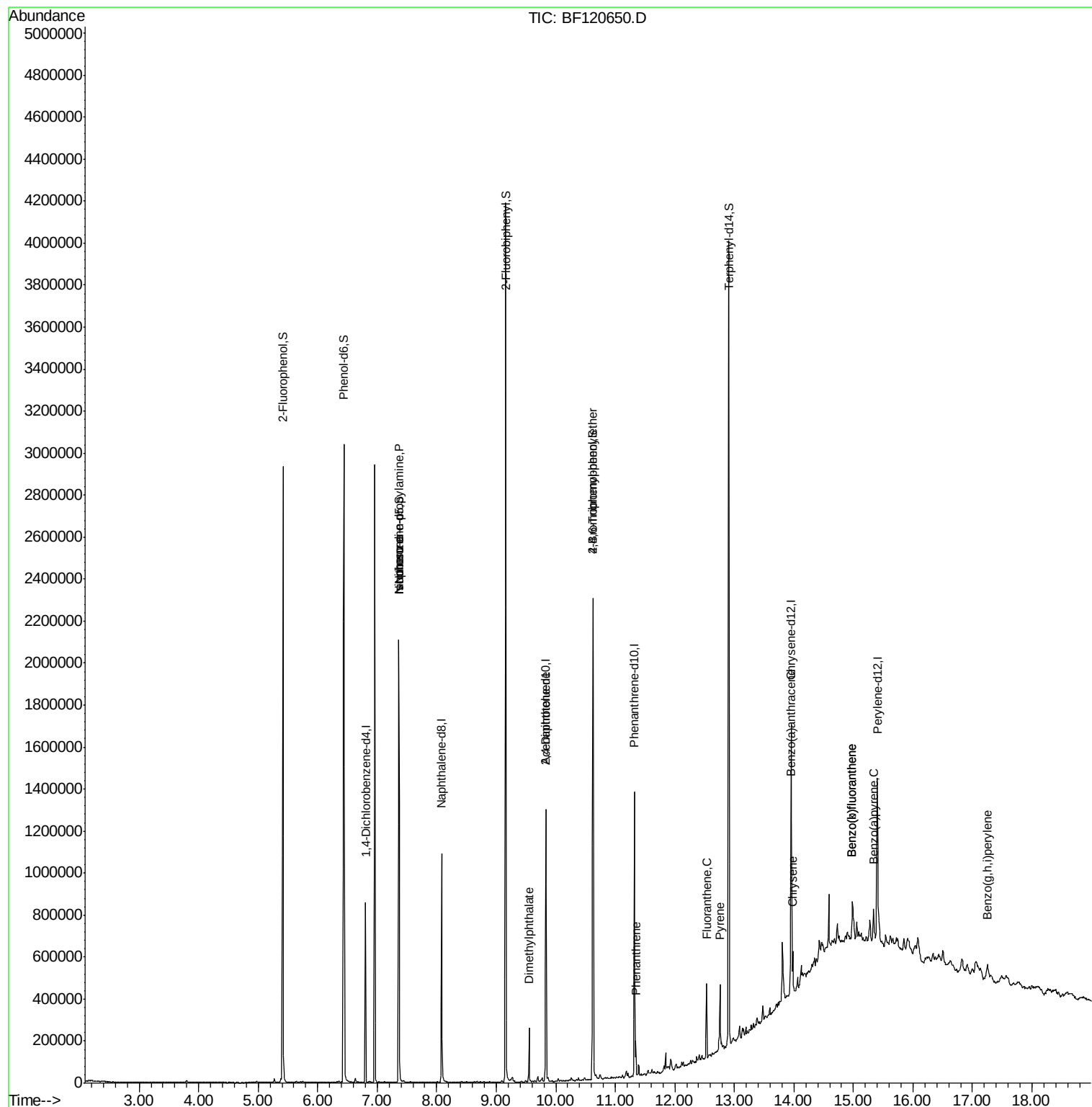
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	83912	15.127	ng	# 78
25) Isophorone	7.36	82	633146	37.299	ng	# 62
50) Dimethylphthalate	9.55	163	98345	5.476	ng	98
57) 2,4-Dinitrotoluene	9.83	165	31381	5.811	ng	# 29
67) 4-Bromophenyl-phenylether	10.63	248	18830	3.453	ng	# 1
71) Phenanthrene	11.35	178	62475	2.616	ng	99
75) Fluoranthene	12.53	202	146503	5.365	ng	96
78) Pyrene	12.76	202	140964	4.852	ng	98
81) Benzo(a)anthracene	13.94	228	80330	3.260	ng	96
83) Chrysene	13.98	228	74902	2.964	ng	95
88) Benzo(b)fluoranthene	14.99	252	125685	5.546	ng	# 91
89) Benzo(k)fluoranthene	14.99	252	125685	6.267	ng	# 91
90) Benzo(a)pyrene	15.34	252	64926	3.201	ng	# 90
92) Benzo(a,h,i)perylene	17.25	276	41112	2.198	ng	96

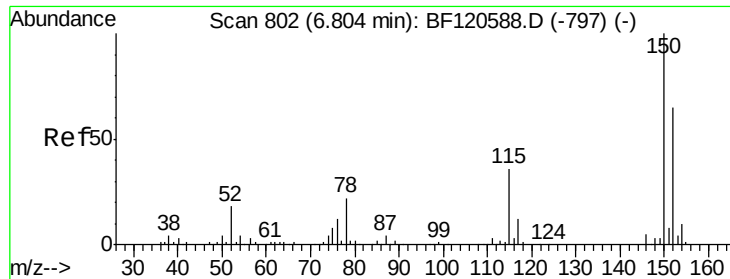
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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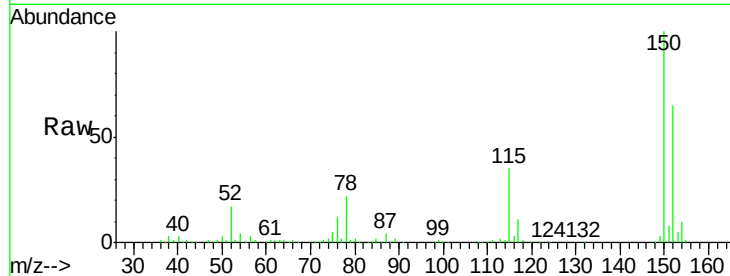


#1

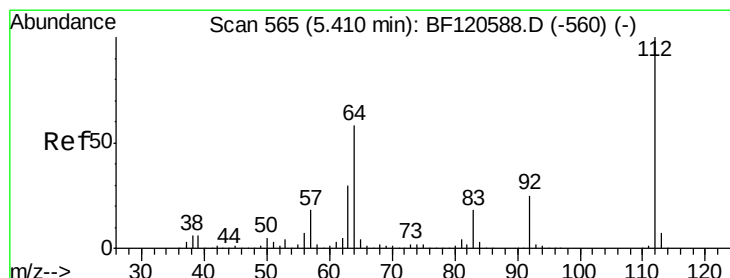
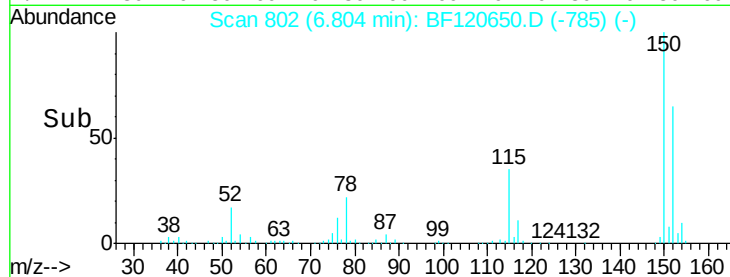
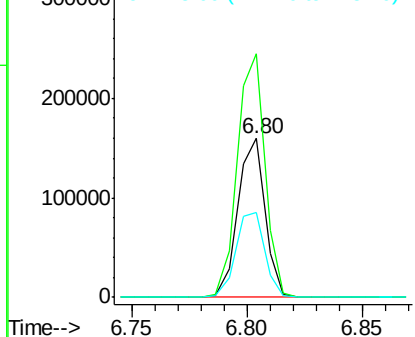
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120650.D
Acq: 18 Jun 2020 19:04

Instrument :
BNA_F
ClientSampleId :
ISS-A-C

Tot Ion:152 Resp: 131639
Ion Ratio Lower Upper
152 100
150 153.2 123.2 184.8
115 53.7 43.9 65.9



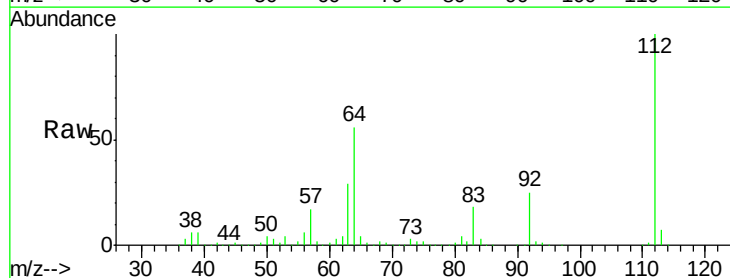
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



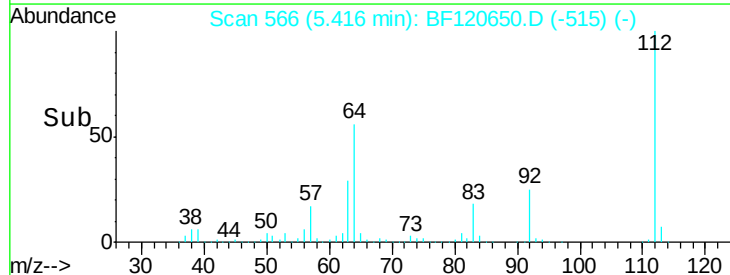
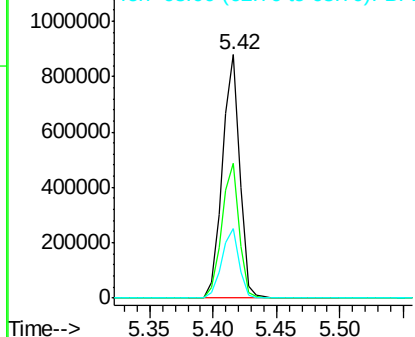
#5

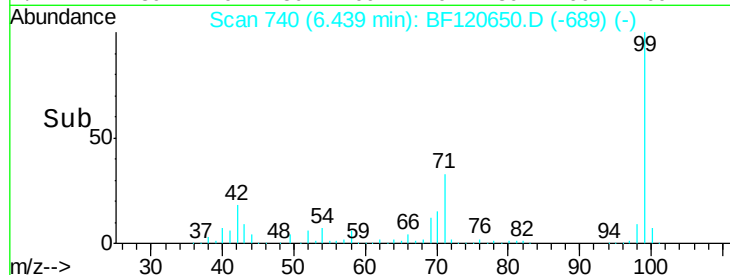
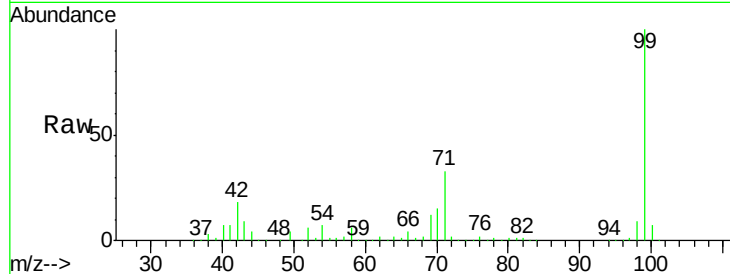
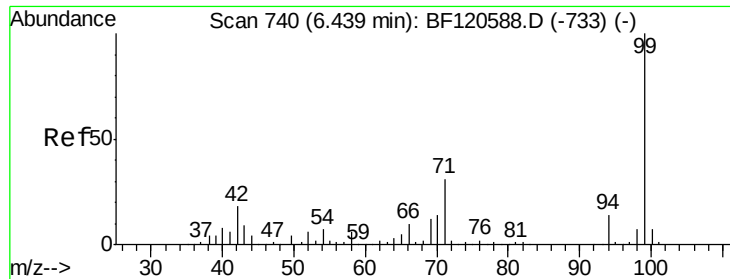
2-Fluorophenol
Concen: 109.664 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120650.D
Acq: 18 Jun 2020 19:04

Tgt Ion:112 Resp: 842018
Ion Ratio Lower Upper
112 100
64 55.6 46.1 69.1
63 28.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 110.196 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Instrument :

BNA_F

ClientSampleId :

ISS-A-C

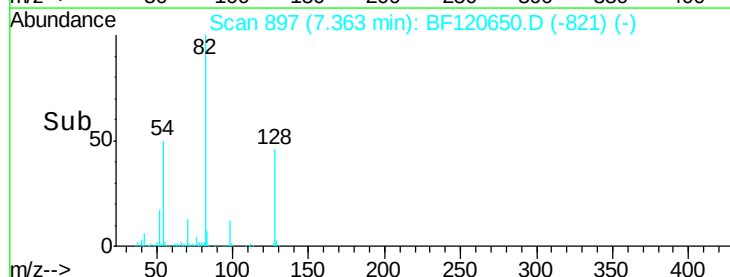
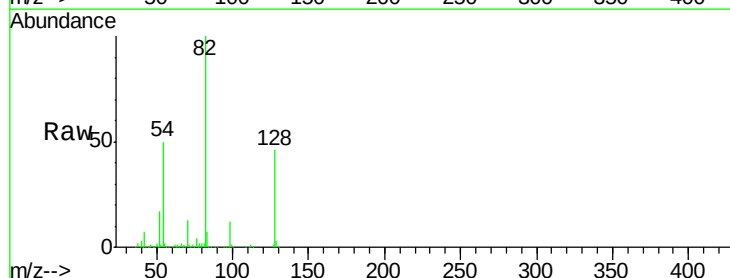
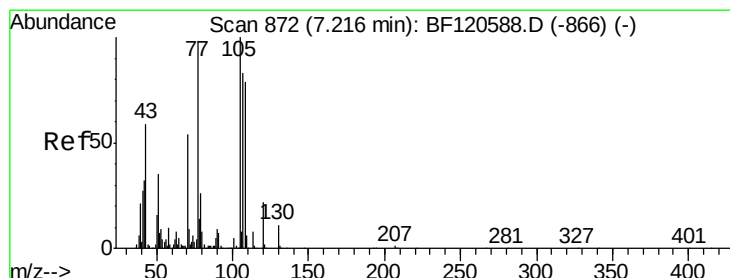
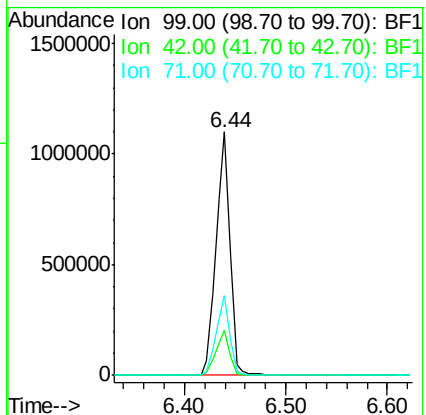
Tot Ion: 99 Resp: 1053822

Ion Ratio Lower Upper

99 100

42 18.4 14.0 21.0

71 32.6 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.127 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Tgt Ion: 70 Resp: 83912

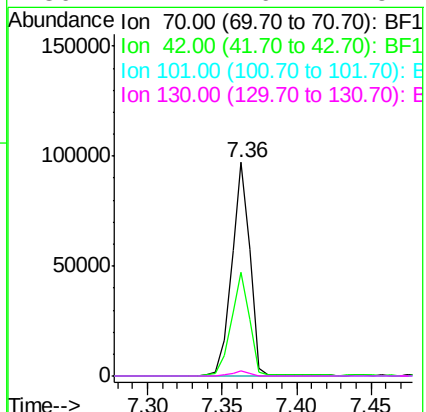
Ion Ratio Lower Upper

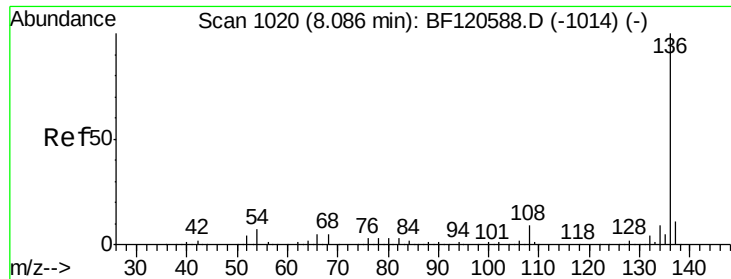
70 100

42 48.7 47.7 71.5

101 0.0 7.6 11.4#

130 2.2 16.7 25.1#

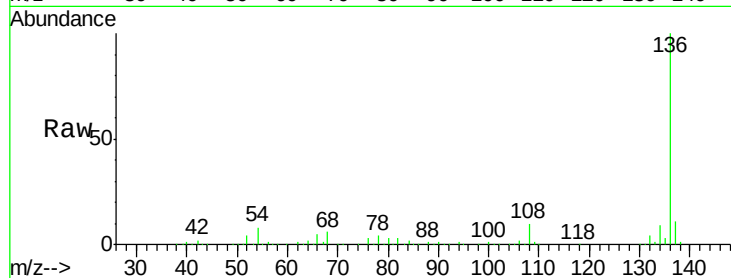




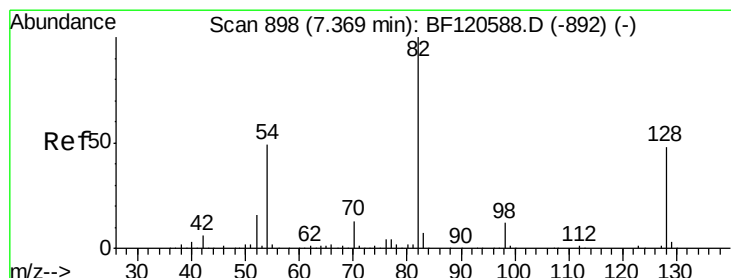
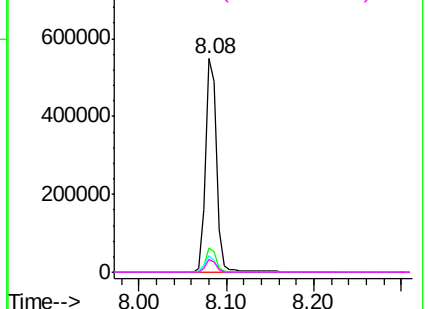
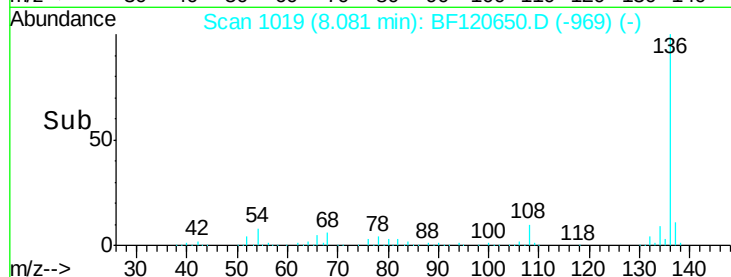
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120650.D
Acq: 18 Jun 2020 19:04

Instrument :
BNA_F
ClientSampleId :
ISS-A-C

Tot Ion:136 Resp: 487093
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 8.0 5.8 8.6
68 6.0 4.4 6.6

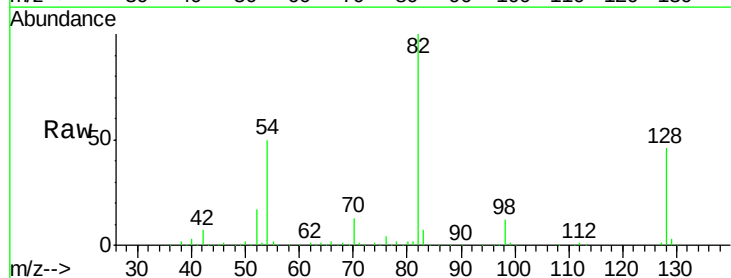


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

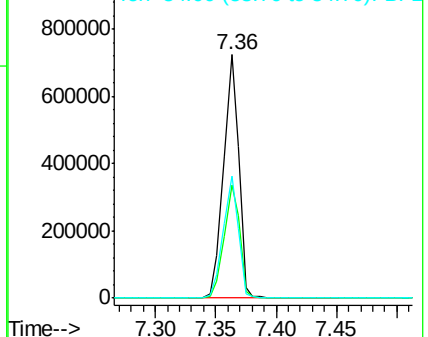
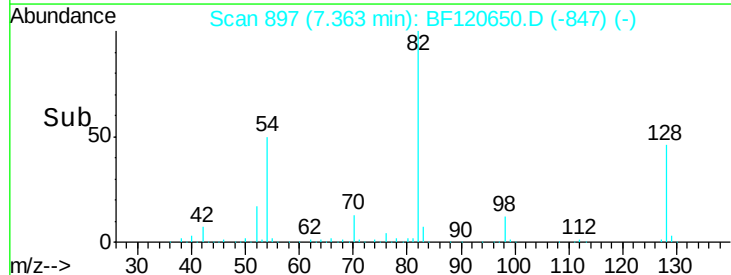


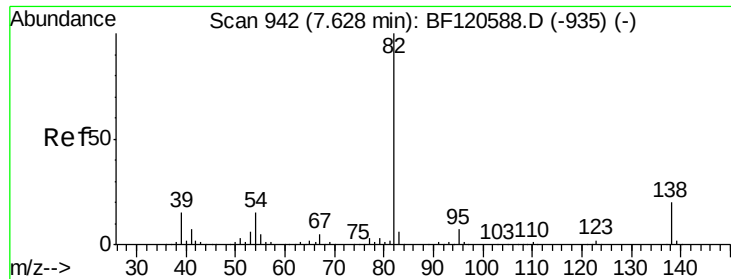
#23
Nitrobenzene-d5
Concen: 72.658 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120650.D
Acq: 18 Jun 2020 19:04

Tgt Ion: 82 Resp: 633151
Ion Ratio Lower Upper
82 100
128 46.3 38.0 57.0
54 50.3 38.8 58.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.299 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Instrument :

BNA_F

ClientSampled :

ISS-A-C

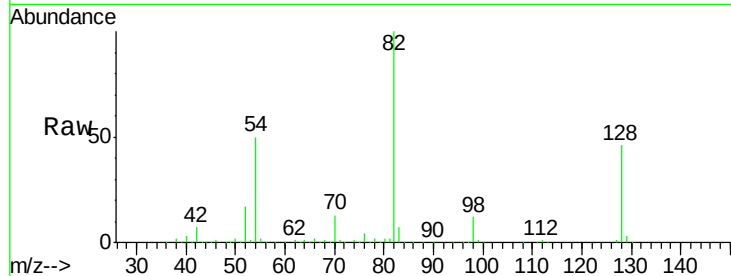
Tot Ion: 82 Resp: 633146

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

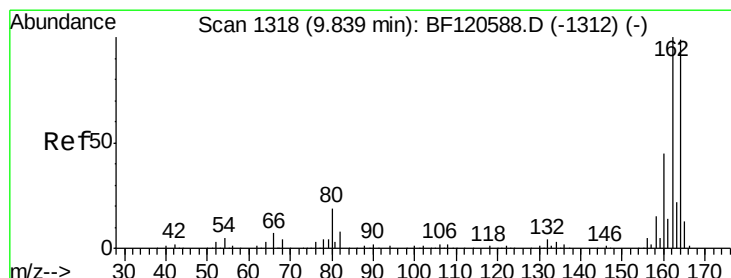
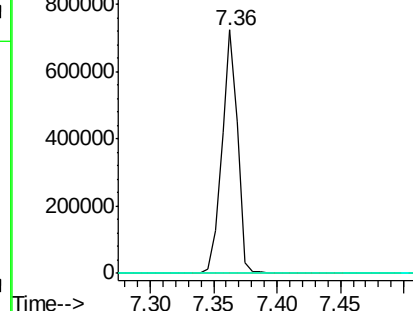
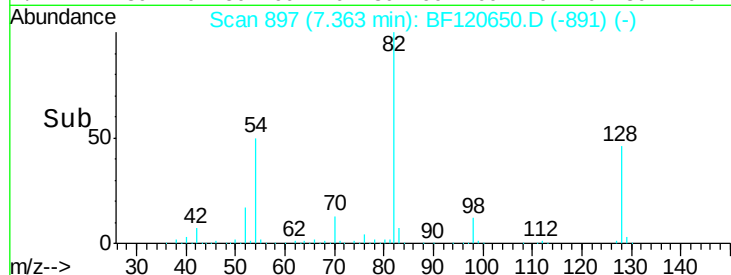
138 0.0 16.2 24.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

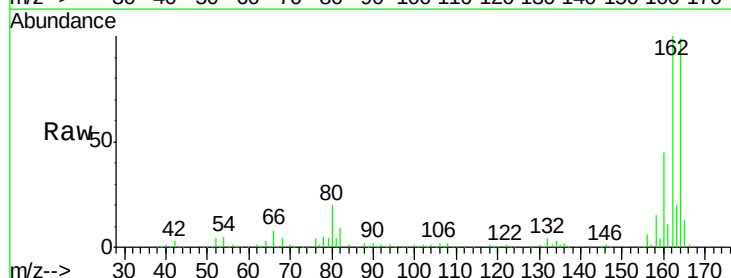
Tgt Ion: 164 Resp: 249343

Ion Ratio Lower Upper

164 100

162 101.5 80.6 120.8

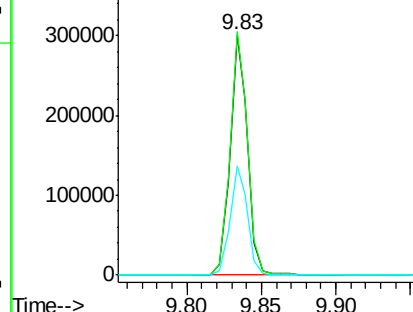
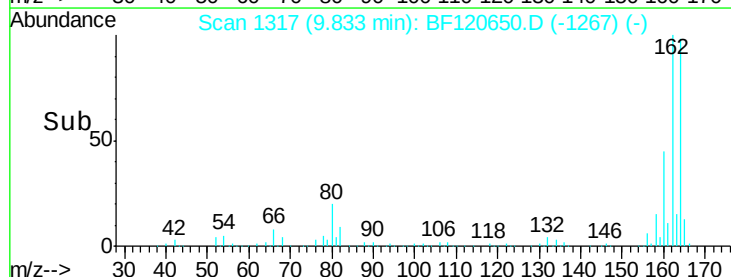
160 45.3 36.2 54.2

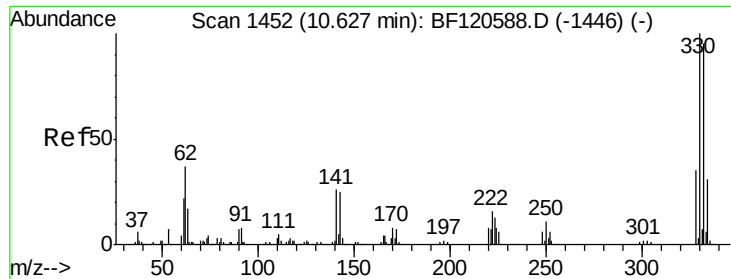


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

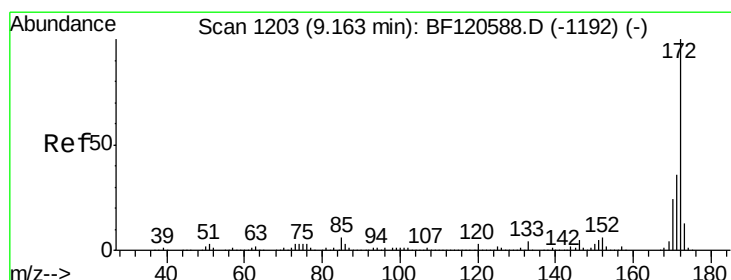
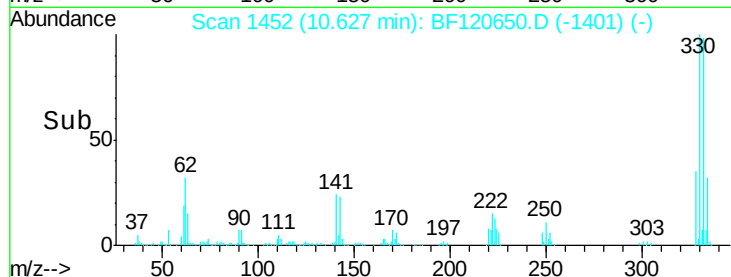
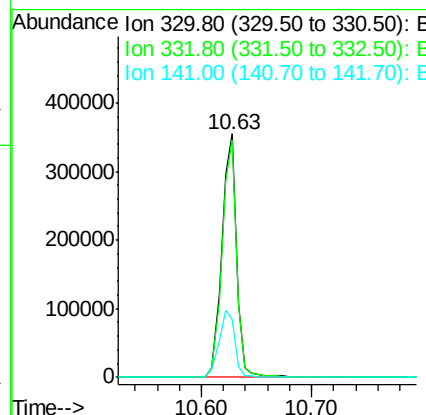
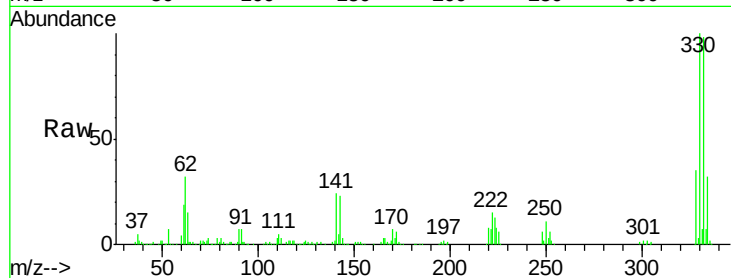




#42
 2,4,6-Tribromophenol
 Concen: 113.667 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120650.D
 Acq: 18 Jun 2020 19:04

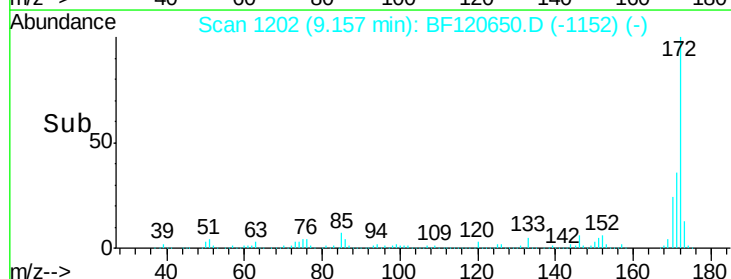
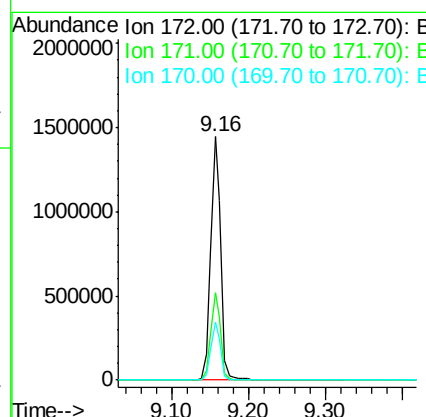
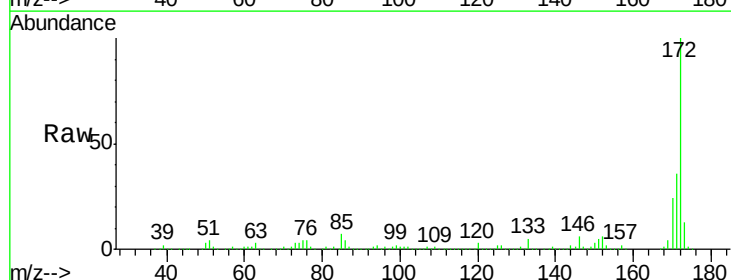
Instrument :
 BNA_F
 ClientSampleId :
 ISS-A-C

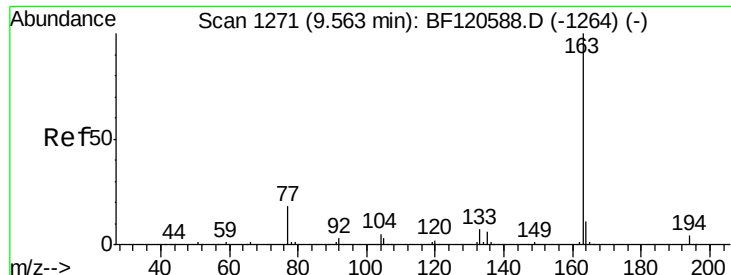
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.8	115.2
141	29.1	23.2	34.8



#45
 2-Fluorobiphenyl
 Concen: 79.178 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120650.D
 Acq: 18 Jun 2020 19:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	24.0	19.4	29.2





#50

Dimethylphthalate

Concen: 5.476 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Instrument :

BNA_F

ClientSampleId :

ISS-A-C

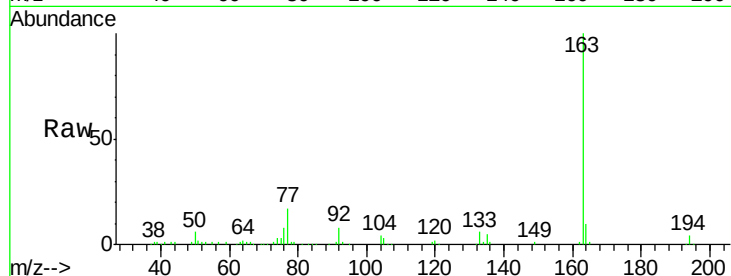
Tot Ion:163 Resp: 98345

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

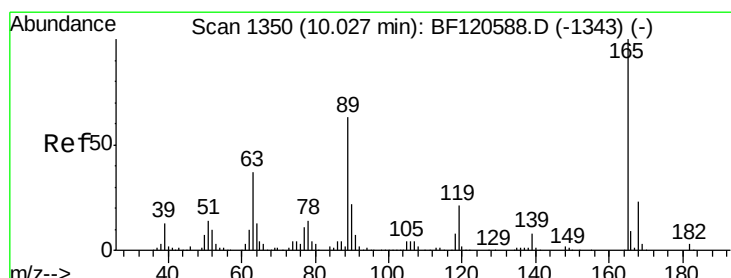
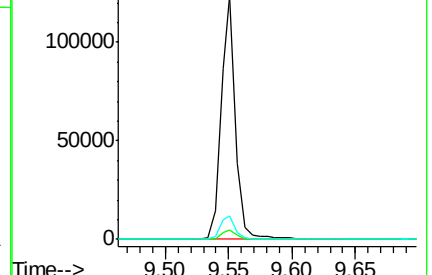
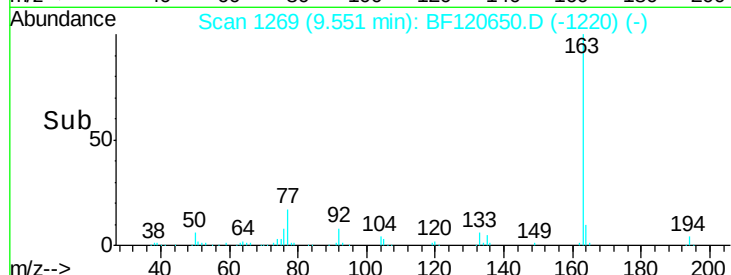
164 9.6 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.811 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Tgt Ion:165 Resp: 31381

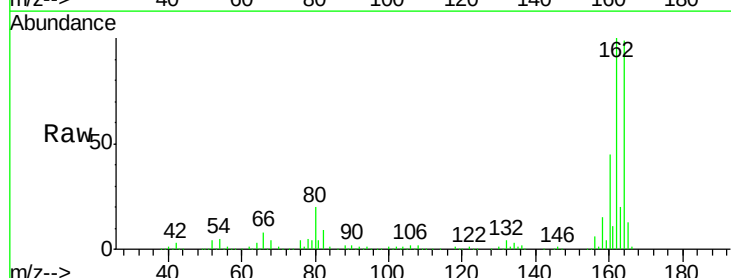
Ion Ratio Lower Upper

165 100

63 0.9 29.8 44.8#

89 1.1 50.4 75.6#

182 0.0 2.1 3.1#

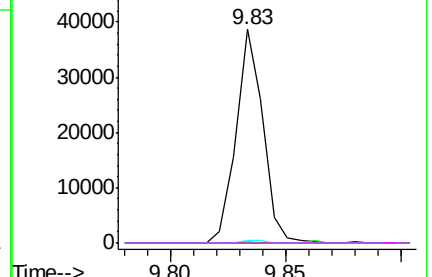
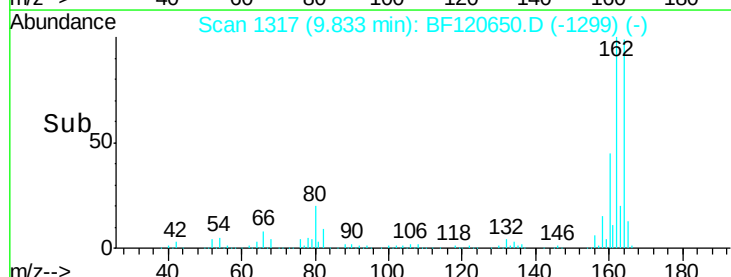


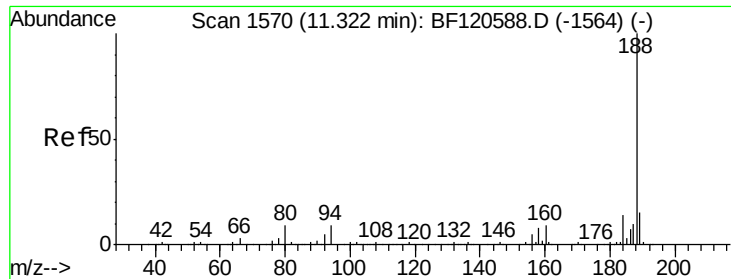
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Instrument :

BNA_F

ClientSampleId :

ISS-A-C

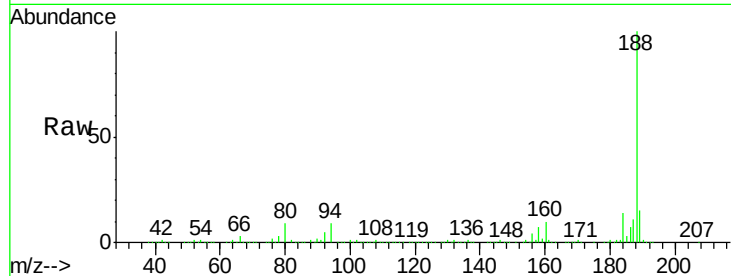
Tot Ion:188 Resp: 480475

Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

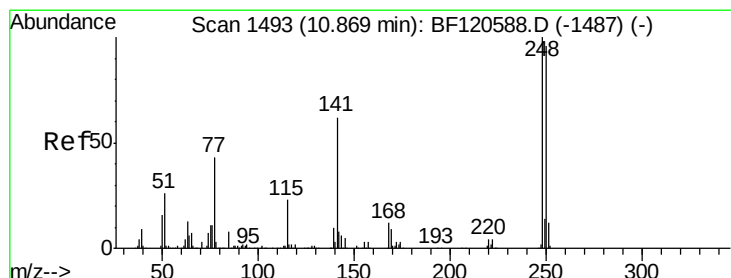
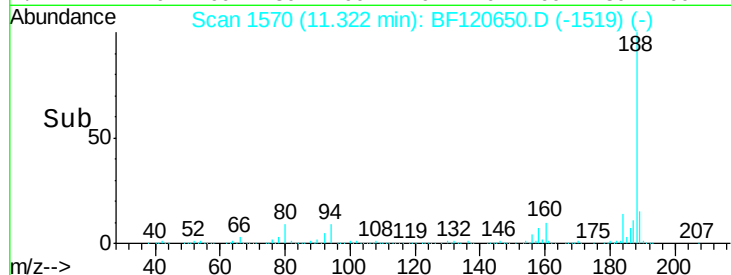
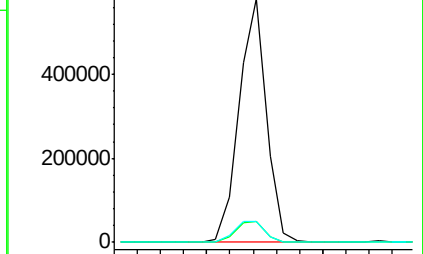
80 8.8 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.453 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

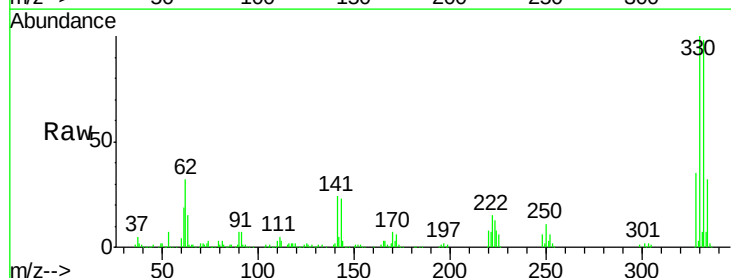
Tgt Ion:248 Resp: 18830

Ion Ratio Lower Upper

248 100

250 198.8 76.7 115.1#

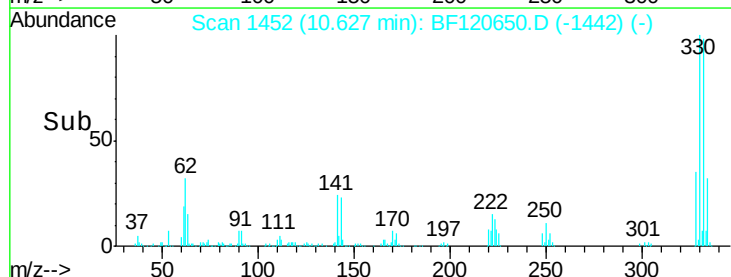
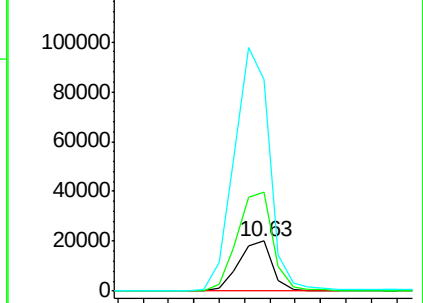
141 421.2 49.4 74.0#

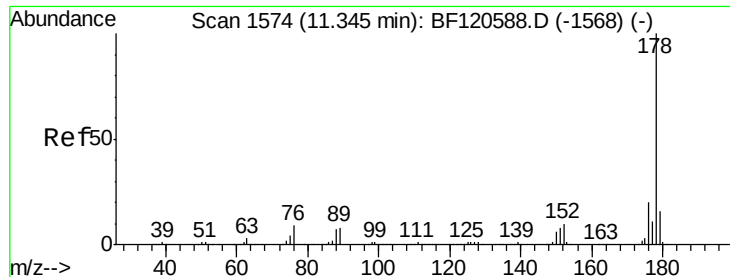


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.616 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Instrument :

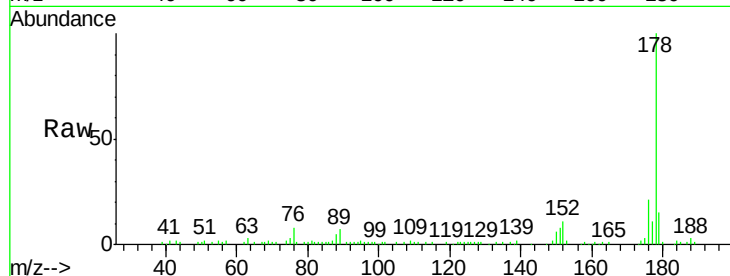
BNA_F

ClientSampleId :

ISS-A-C

Tot Ion:178 Resp: 62475

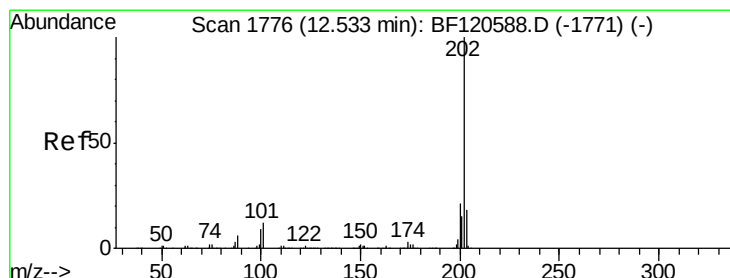
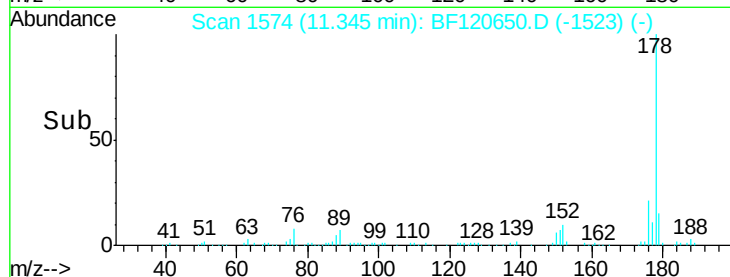
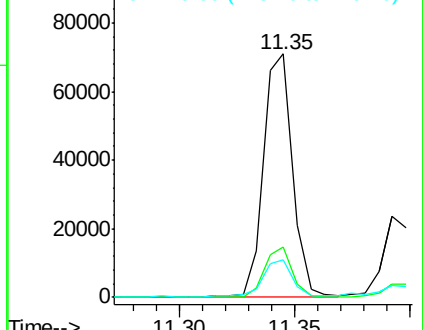
Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.9	23.9
179	15.5	12.8	19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 5.365 ng

RT: 12.53 min Scan# 1776

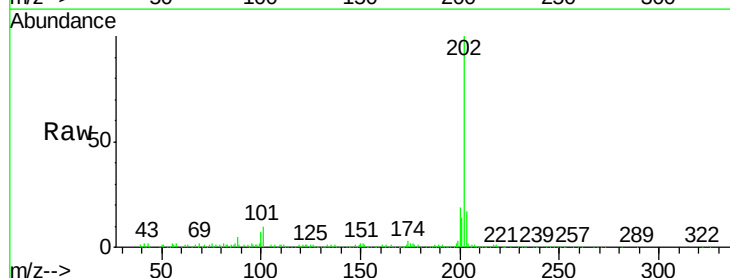
Delta R.T. 0.00 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Tgt Ion:202 Resp: 146503

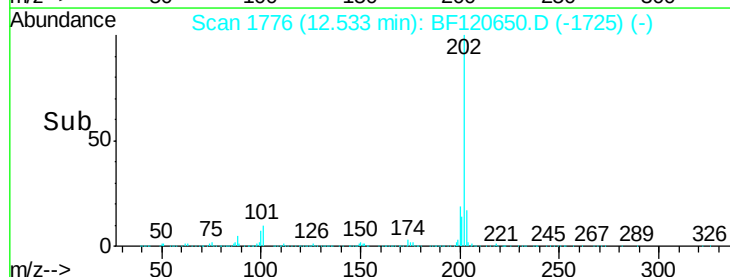
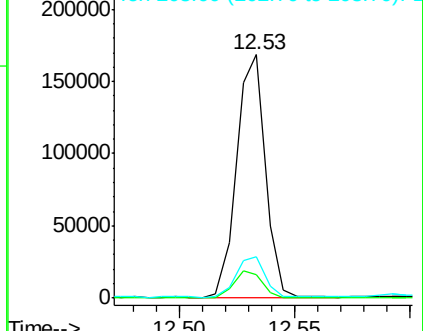
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.0
203	17.1	0.0	38.3

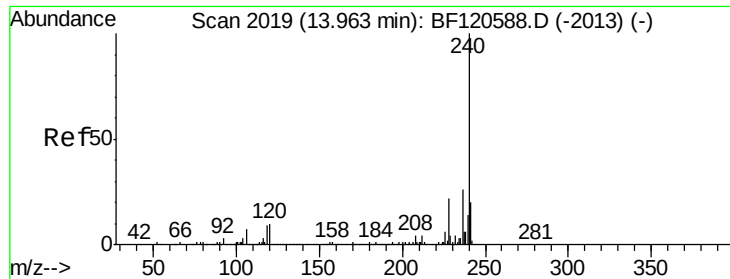


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

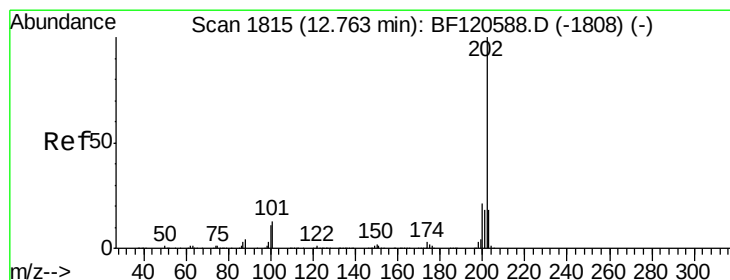
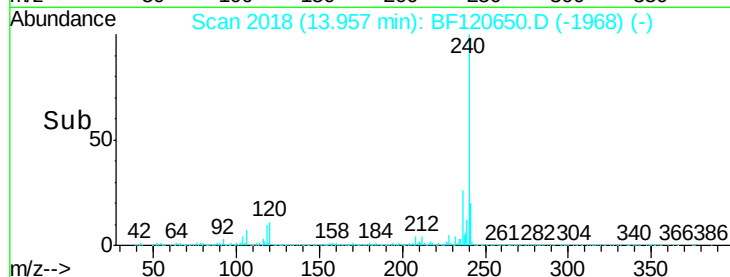
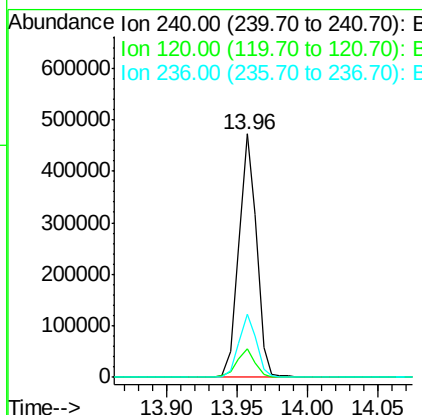
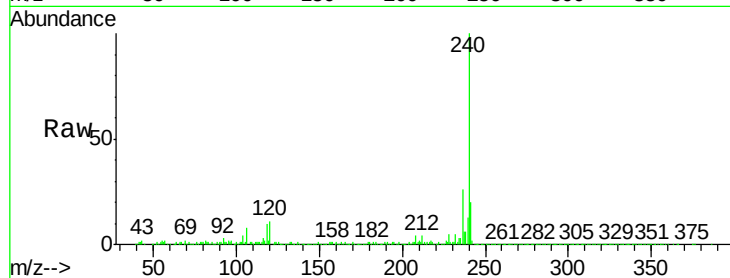




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120650.D
Acq: 18 Jun 2020 19:04

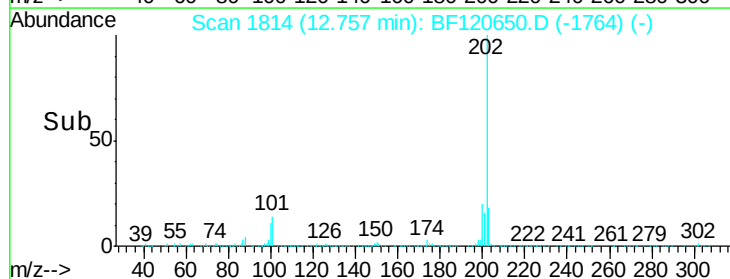
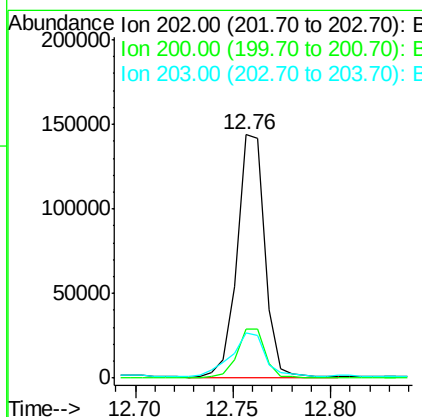
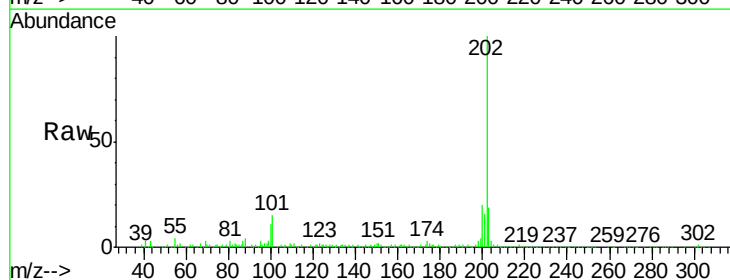
Instrument :
BNA_F
ClientSampleId :
ISS-A-C

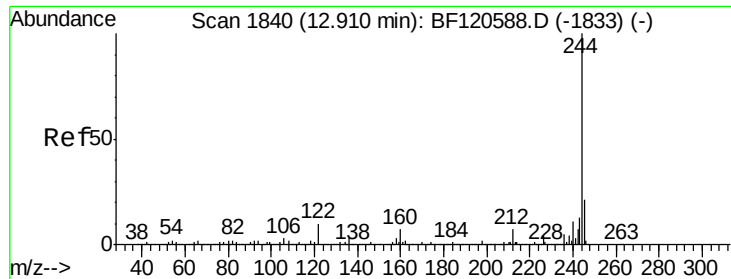
Tot Ion:240 Resp: 410127
Ion Ratio Lower Upper
240 100
120 11.5 8.3 12.5
236 25.9 21.0 31.4



#78
Pyrene
Concen: 4.852 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF120650.D
Acq: 18 Jun 2020 19:04

Tgt Ion:202 Resp: 140964
Ion Ratio Lower Upper
202 100
200 20.0 16.8 25.2
203 18.6 14.3 21.5





#79

Terphenyl-d14

Concen: 83.603 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Instrument :

BNA_F

ClientSampleId :

ISS-A-C

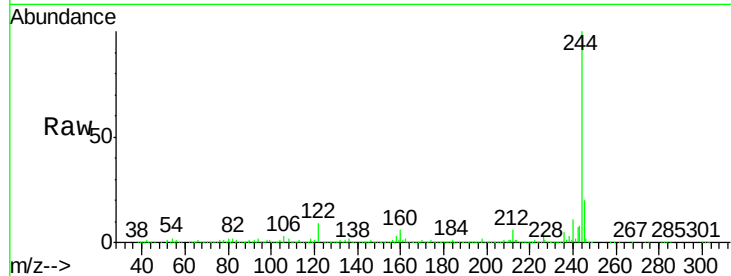
Tot Ion:244 Resp: 1552274

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

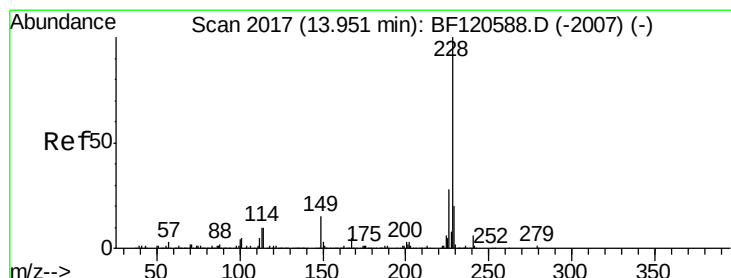
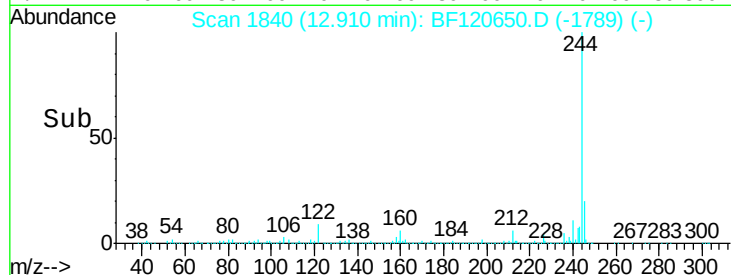
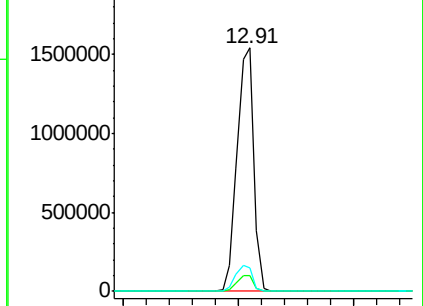
122 9.5 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.260 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

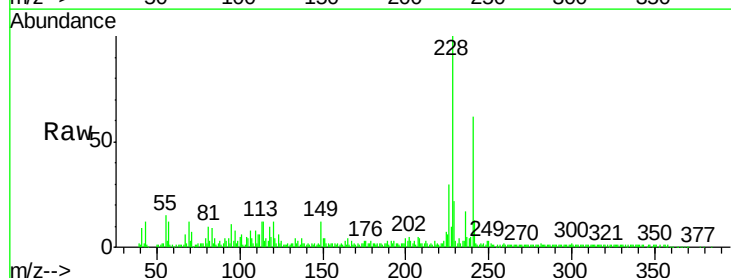
Tgt Ion:228 Resp: 80330

Ion Ratio Lower Upper

228 100

226 29.8 22.5 33.7

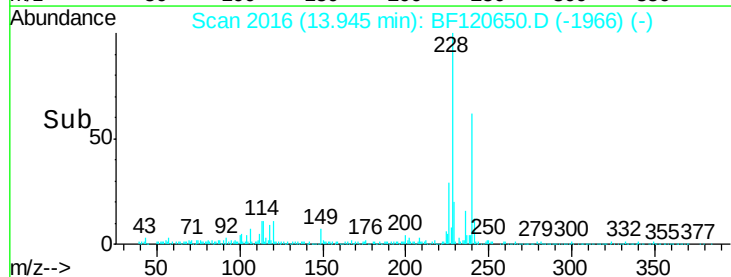
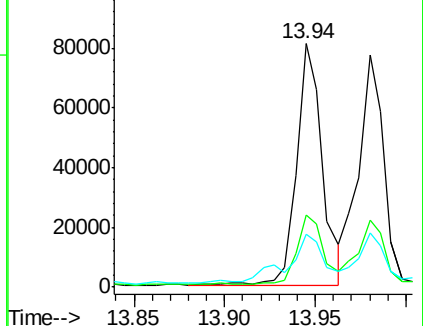
229 21.9 16.1 24.1

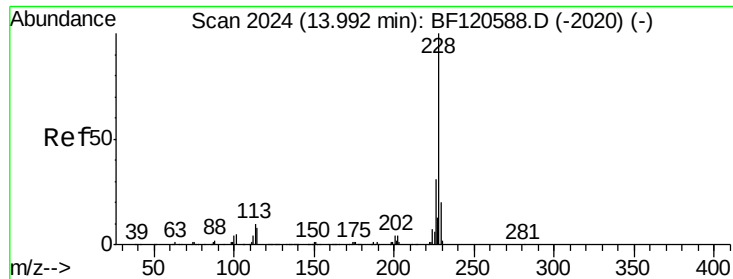


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.964 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Instrument :

BNA_F

ClientSampled :

ISS-A-C

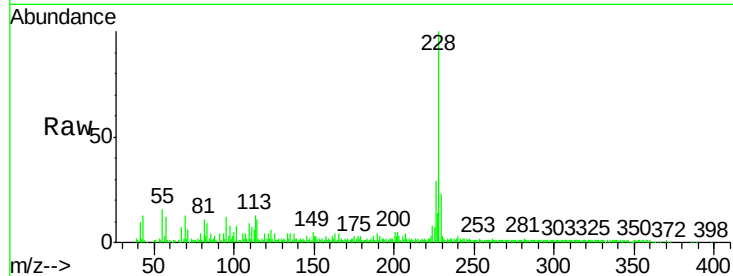
Tot Ion:228 Resp: 74902

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

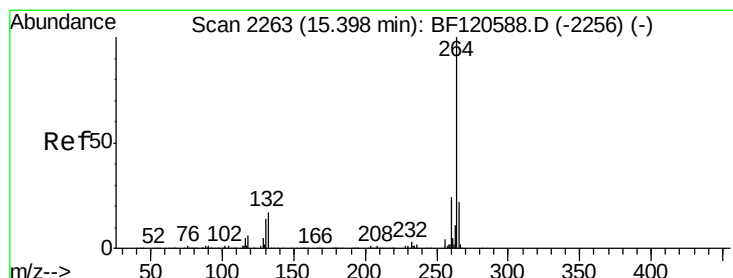
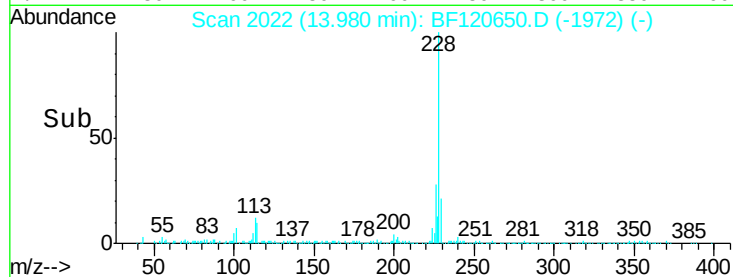
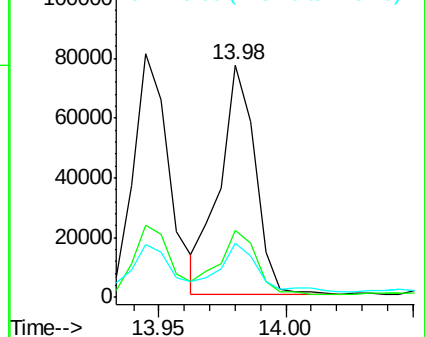
229 23.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

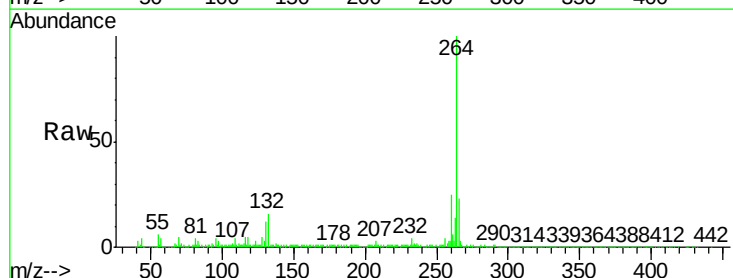
Tgt Ion:264 Resp: 380474

Ion Ratio Lower Upper

264 100

260 24.7 19.3 28.9

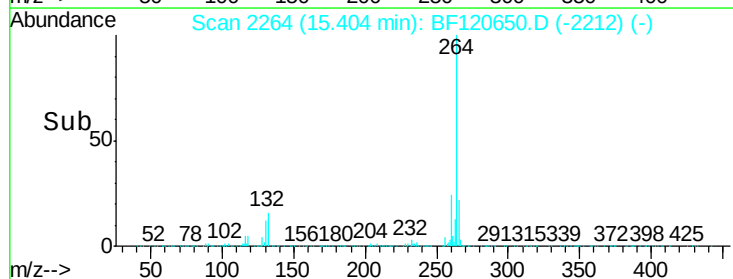
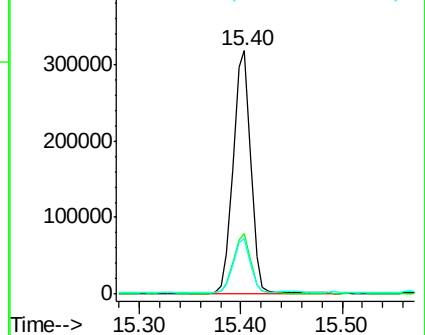
265 22.6 17.8 26.8

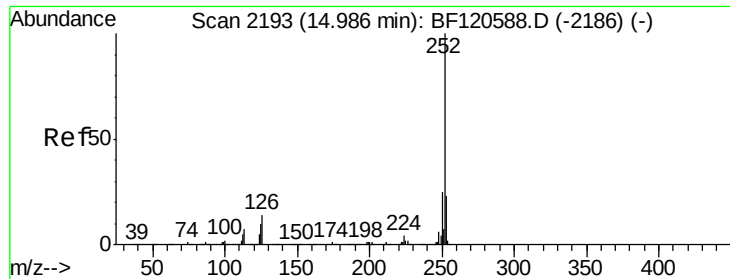


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

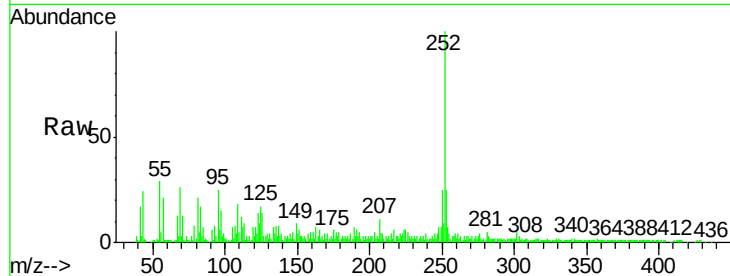




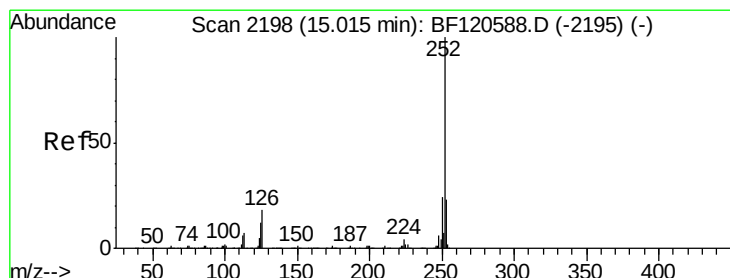
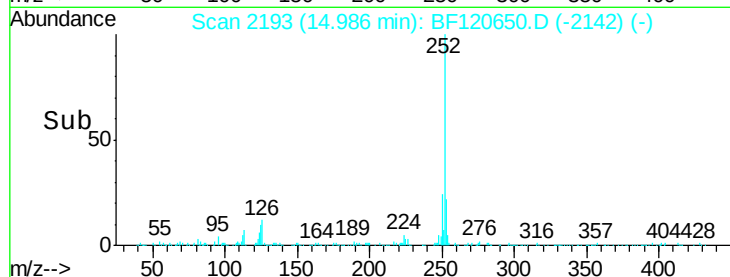
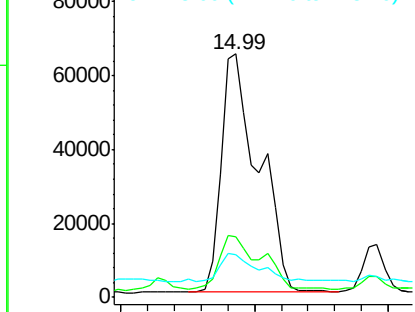
#88
Benzo(b)fluoranthene
Concen: 5.546 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF120650.D
Acq: 18 Jun 2020 19:04

Instrument :
BNA_F
ClientSampleId :
ISS-A-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	17.3	8.3	12.5#

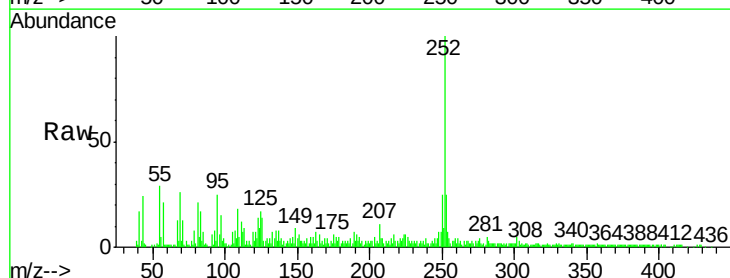


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

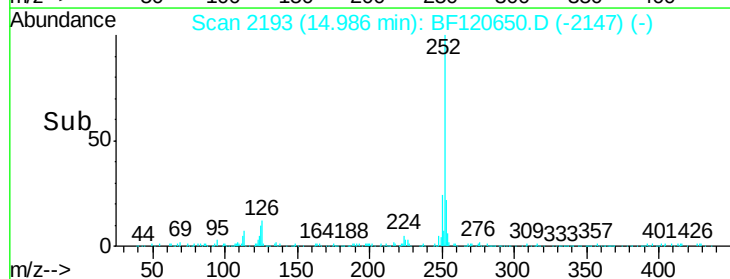
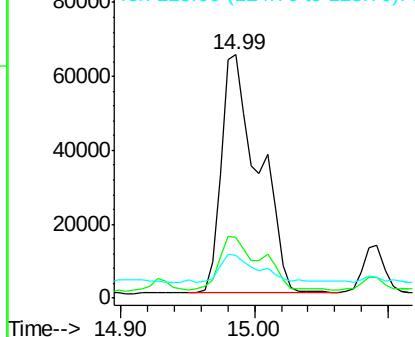


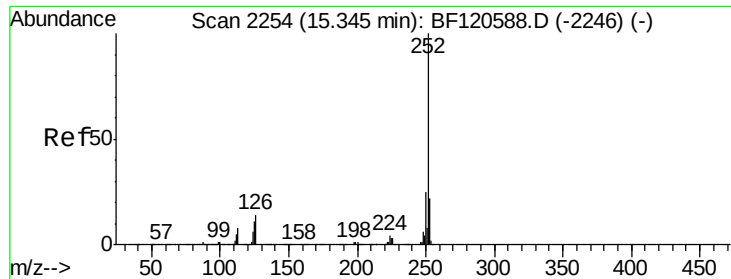
#89
Benzo(k)fluoranthene
Concen: 6.267 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF120650.D
Acq: 18 Jun 2020 19:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	17.3	8.3	12.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.201 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

Instrument :

BNA_F

ClientSampleId :

ISS-A-C

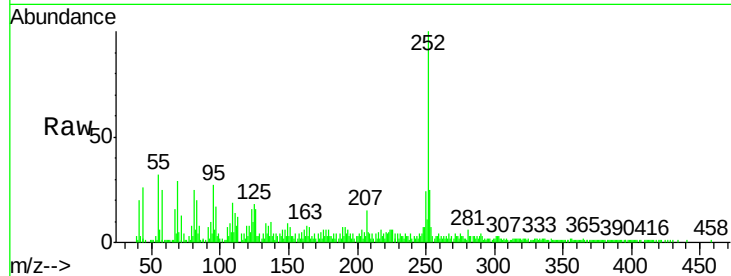
Tot Ion:252 Resp: 64926

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

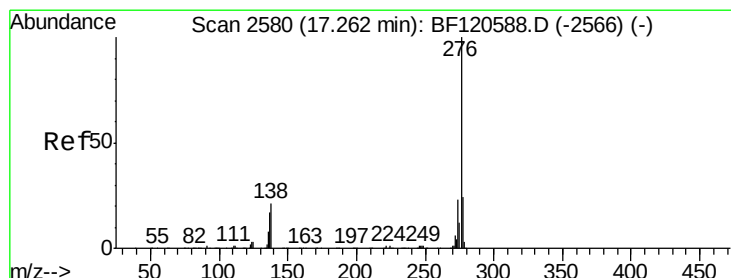
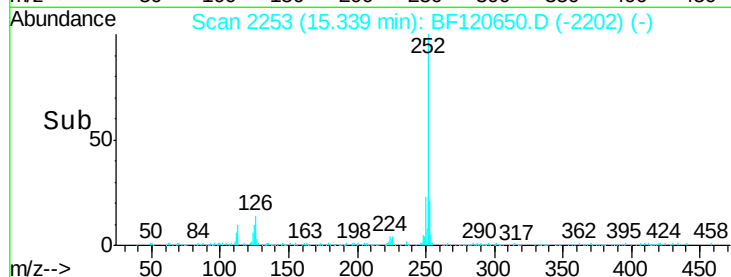
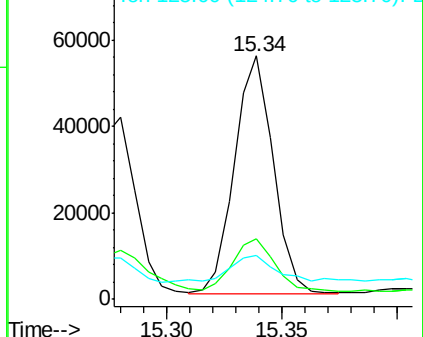
125 17.9 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.198 ng

RT: 17.25 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF120650.D

Acq: 18 Jun 2020 19:04

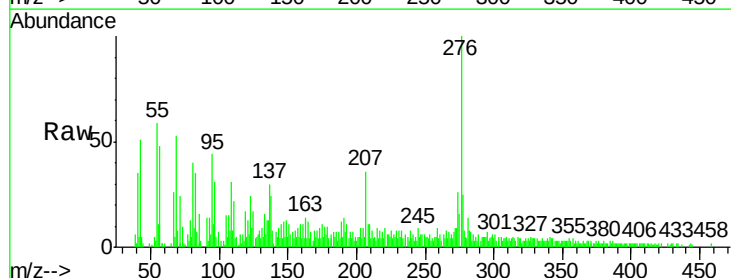
Tgt Ion:276 Resp: 41112

Ion Ratio Lower Upper

276 100

277 25.1 19.6 29.4

138 24.2 16.5 24.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

